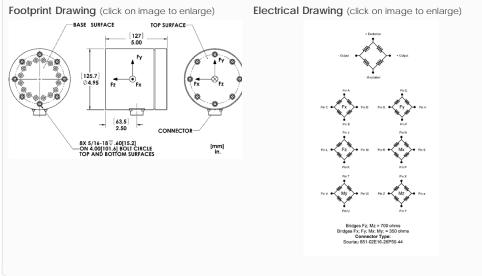
	y: 10000				TAMT			
127	7 x 125.7 m	ım						
3.18 Kg.			Sensing	elements		Strain gage bridge		
Fx, Fy, Fz, Mx, My, Mz			Amplifie	٢		Required		
Aluminum			Analog	outputs		6 Channels		
ange -17.78 to 51.67°C 10V maximum			Digital o	outputs		None		
			Crosstal	k	< 2% on all channels ± 0.2% full scale output			
± 0.2% full scale output		Fx, Fy, F	z non-line					
Fx	Fy	Fz	Units	Mx	My	Mz	Units	
22241	22241	44482	N	1626	1626	1129	N-m	
0.112	0.112	0.0281	µv/v-lb	2.55	2.55	1.55	µv/v-in-lb	
-	-	-	Hz	-	-	-	Hz	
1683	1683	8416	N/m	6.78	6.78	4.52	N-m/rad	
To determine the resolution of your system, please use our Output Calculator.								
The Fx, Fy	y, and Fz d	capacities c	an be exce	eded by a	a factor	of 3 as lo	ng as the Mx, N	
and Mz o	capacities	s are not exc	ceeded.					
The Mx a	and My ca	pacities are	calculated	l in referer	nce to th	ie transdi	ucer origin loca	
2 27 in //	cm) hold	w the top s	urface					
	3.1 Fx, Alu -17 10\ ± 0 Fx 22241 0.112 - 1683 To deten The Fx, Fi and Mz o The Mx a	3.18 Kg.   Fx, Fy, Fz, Mx,   Aluminum   -17.78 to 51.6   10V maximur   ± 0.2% full sca   Fx Fy   22241 22241   0.112 0.112   - 1683   1683 1683   To determine the r   The Fx, Fy, and Fz c   and Mz capacities   The Mx and My ca	Fx, Fy, Fz, Mx, My, Mz   Aluminum   -17.78 to 51.67°C   10V maximum   ± 0.2% full scale output   Fx Fy   Fz   22241 22241   0.112 0.0281   0.112 0.112   0.683 8416   To determine the resolution of   The Fx, Fy, and Fz capacities cand Mz capacities are not exec   The Mx and My capacities are	3.18 Kg. Sensing   Fx, Fy, Fz, Mx, My, Mz Amplifie   Aluminum Analog   -17.78 to 51.67°C Digital of   10V maximum Crosstal   ± 0.2% full scale output Fx, Fy, Fz   Fx Fy Fz   0.112 0.112 0.0281   0.112 0.0281 µv/v-lb   - - Hz   1683 1683 8416 N/m   To determine the resolution of your system The Fx, Fy, and Fz capacities can be excessed and Mz capacities are not exceeded. The Mx and My capacities are calculated	3.18 Kg. Sensing elements   Fx, Fy, Fz, Mx, My, Mz Amplifier   Aluminum Analog outputs   -17.78 to 51.67°C Digital outputs   10V maximum Crosstalk   ± 0.2% full scale output Fx, Fy, Fz, Mx, Mz   Fx Fy Fz Units   6 0.112 0.0281 µv/v-lb 2.55   0.112 0.0281 µv/v-lb 2.55   1683 1683 8416 N/m 6.78   To determine the resolution of your system, please of the Fx, Fy, and Fz capacities can be exceeded by a and Mz capacities are not exceeded. by a state of the factor of the	Sensing elements $3.18 \text{ Kg.}$ Sensing elements $Fx, Fy, Fz, Mx, My, Mz$ Amplifier $Aluminum$ Analog outputs $-17.7b$ to $51.67^{\circ}C$ Digital outputs $10V maximum$ Crosstalk $10V maximum$ Fx, Fy, Fz non-linearity $10V maximum$ Fx, Fy, Fz non-linearity $10V maximum$ Crosstalk $10V maximum$ Crosstalk $10V maximum$ Crosstalk $10V maximum$ Ounits $10V maximum$ N $1022241$ 22241 $22241$ 24482 $0.112$ $0.0281$ $\mu v/v$ -lb $2.55$ $0.112$ $0.0281$ $\mu v/v$ -lb $2.55$ $2.55$ $-1683$ $1683$ $8416$ $N/m$ $6.78$ $6.78$ $To determine the resolution of your system, please use our CThe Fx, Fy, and Fz capacities can be exceeded.by a factorThe Fx, Fy, and Fz capacities are not exceeded.The Fx and My capacities are calculated in reference to the factor$	3.18 Kg. Sensing elements Strain gather   Fx, Fy, Fz, Mx, My, Mz Amplifier Required   Aluminum Analog outputs 6 Channel   -17.78 to 51.67°C Digital outputs None   10V maximum Crosstalk < 2% on	





## MC5-1250 SPECIFICATIONS

A cylindrical, six-axis transducer with bolt-ready top and bottom surfaces.



## Units: Metric Capacity: 1250

Dimensions(LxDia.)	127 x 125.7 mm		
Weight	3.18 Kg.	Sensing elements	Strain gage bridge
Channels	Fx, Fy, Fz, Mx, My, Mz	Amplifier	Required
Top plate material	Aluminum	Analog outputs	6 Channels
Temperature range	-17.78 to 51.67°C	Digital outputs	None
Excitation	10V maximum	Crosstalk	< 2% on all channels
Fx, Fy, Fz hysteresis	± 0.2% full scale output	Fx, Fy, Fz non-linearity	± 0.2% full scale output

Channel	Fx	Fy	Fz	Units	Mx	My	Mz	Units
Capacity	2780	2780	5560	Ν	203	203	141	N-m
Sensitivity	0.899	0.899	0.225	µv/v-lb	20.37	20.37	12.4	µv/v-in-lb
Natural frequency	-	-	-	Hz	-	-	-	Hz
Stiffness (X 10 <sup>5</sup> )	210	210	1052	N/m	0.847	0.847	0.565	N-m/rad

Resolution To determine the resolution of your system, please use our **Output Calculator**.

The Fx, Fy, and Fz capacities can be exceeded by a factor of 3 as long as the Mx, My, and Mz capacities are not exceeded.

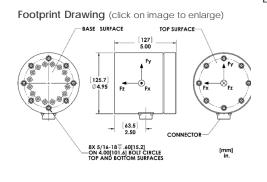
Notes:

The Mx and My capacities are calculated in reference to the transducer origin located 2.37 in (6 cm) below the top surface.

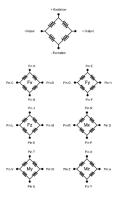
Published specifications subject to change without notice.

Last modified:10/22/201

## TECHNICAL DRAWINGS

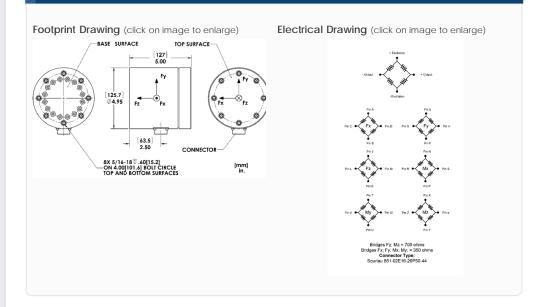


## Electrical Drawing (click on image to enlarge)



Bridges Fz; Mz = 700 ohms Bridges Fz; Fy; Mx; My; = 350 ohm Connector Type: Souriau 851-02E16-26P50-44 AMTI Product Browser | Multi-Axis Force Plates, Force Sensors, Instrumented Biomechanics Equipment, Biomedical Testing Machines, Software and Amplifiers

Units: Metric	Capac	ity: 250	0			,	BAMTI			
Dimensions(LxDia.)	1	27 x 125.	7 mm							
Weight	3	3.18 Kg.			Sensir	ıg elemen	ıts	Strain gage bridge		
Channels	Fx, Fy, Fz, Mx, My, Mz			Ampli	fier		Require	ed		
Top plate material	Aluminum			Analo	g outputs		6 Char	nels		
Temperature range	-17.78 to 51.67°C			Digital outputs			None	None		
Excitation	10V maximum				Crosstalk			< 2% on all channels		
Fx, Fy, Fz hysteresis	± 0.2% full scale output			out	Fx, Fy, Fz non-linearity			± 0.2% full scale output		
Channel	Fx	Fy	Fz	Units	i	Mx	Му	Mz	Units	
Capacity	5560	5560	11121	N		407	407	282	N-m	
Sensitivity	0.45	0.45	0.112	μv/v	-lb	10.18	10.18	6.2	µv/v-in-lb	
Natural frequency	-	-	-	Hz		-	-	-	Hz	
Stiffness (X 10 <sup>5</sup> )	421	421	2104	N/m		1.69	1.69	1.13	N-m/rad	
Resolution	To determine the resolution of your system, please use our <b>Output Calculator</b> .									
	The Fx, Fy, and Fz capacities can be exceeded by a factor of 3 as long as the Mx, My and Mz capacities are not exceeded.									
Notes:										
	The Mx and My capacities are calculated in reference to the transducer origin locate									
	2.37 in (6 cm) below the top surface.									
		Publis	ned specificat	tions subjec	ct to cha	inge without i	notice.			



MC5-5000 S	SPECI Capacity		IONS							
Dimensions(LxDia.)	127	x 125.7 m	m							
Weight	3.18	3.18 Kg.			lements		Strain gage bridge			
Channels	Fx,	Fx, Fy, Fz, Mx, My, Mz			Amplifier			Required		
Top plate material	Alu	Aluminum			Analog outputs			6 Channels		
Temperature range	-17	-17.78 to 51.67°C			Digital outputs			None		
Excitation	10V maximum			Crosstalk			< 2% on all channels			
Fx, Fy, Fz hysteresis	± 0.2% full scale output		Fx, Fy, Fz	Fx, Fy, Fz non-linearity			± 0.2% full scale output			
Channel	Fx	Fy	Fz	Units	Mx	Му	Mz	Units		
Capacity	11121	11121	22241	N	813	813	565	N-m		
Sensitivity	0.225	0.225	0.0562	µv/v-lb	5.09	5.09	3.1	µv/v-in-lb		
Natural frequency	-	-	-	Hz	-	-	-	Hz		
Stiffness (X 10 <sup>5</sup> )	842	842	4208	N/m	3.39	3.39	2.26	N-m/rad		
Resolution	To deteri	mine the r	esolution of y	our system,	please u	se our (	Output C	alculator.		
Notes:			apacities ca are not exc		ded by a	l factor	of 3 as lo	ong as the Mx, My		
	The Mx a	nd My ca	pacities are	calculated i	n referen	ce to th	ne transc	lucer origin locate		
	2.37 in (6	cm) belo	w the top su	rface.						
		Published	specifications sub	oject to change	without noti	ce.				

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